

ABSTRACT OF THE DISCLOSURE

*include*  
Systems and methods for energizing an electrical resistance igniter ~~are~~  
*determining* ~~disclosed. The systems and methods determine~~ the line voltage into the  
*controlling* ~~control~~ the voltage being applied to the electrical resistance  
igniters so a first voltage is applied initially and for a time period and  
thereafter a second voltage is applied, the second voltage being the operating  
voltage for the igniter. The systems and methods decrease the amount of  
time required to heat-up the electrical resistance igniter to a temperature  
sufficient to ignite the gas while regulating the output voltage being delivered  
to the igniters to prevent over voltage damage to the igniters.

#192694

BEST AVAILABLE COPY

guy  
8/11/03

2025 RELEASE UNDER E.O. 14176